



# I-85 Widening from North of SR 53 to North of SR 11/US 129 Industry Forum

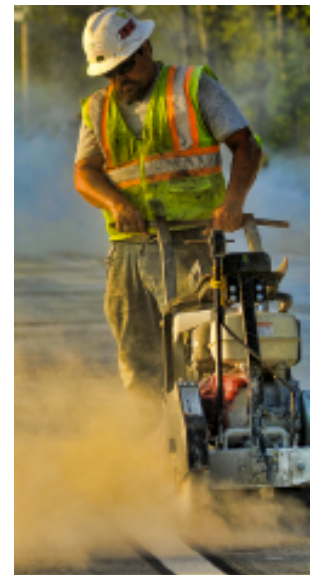
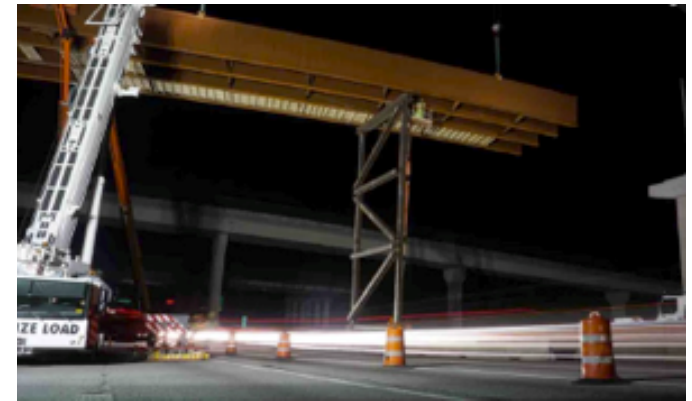
October 23, 2019

**Darryl VanMeter, P.E.**

Assistant P3 Division Director /  
State Innovative Delivery Administrator

**Andrew Hoenig, P.E., DBIA**

DB Program Manager



## Disclaimer Statement

At this meeting the Department will provide information about the project's delivery goals, anticipated scope, anticipated MMIP procurement process, and potential risks.

Participants will be encouraged to ask questions during this meeting; however, any information provided by the Department shall be considered as informational only and is subject to change.

# Agenda

- MMIP Overview
- DB Overview
- Project Overview
- Procurement
- Schedule
- Open Discussion



# Major Mobility Investment Program



**4 Major  
Interchange Projects**



**5 Major Express  
Lanes Projects**



**4 Major Interstate  
Widening Projects**



**1 Commercial Vehicle  
Lanes Project**



**4 Bridge  
Replacement Projects**

# MMIP Project Locations



## Interchange Reconstruction:

1. I-16/I-95
2. I-285/I-20 West
3. I-285/I-20 East

## Express Lanes:

4. I-285 Eastside
5. I-285 Top End East
6. I-285 Top End West
7. I-285 Westside
8. SR 400

## Interstate Widening:

9. I-85 Phase I
10. I-85 Phase II
11. I-16

## Commercial Vehicle Lanes:

12. I-75

## I-285 Advanced Improvement Projects:

13. I-285 Westbound Collector-Distributor Lanes
14. I-285/Peachtree Industrial Boulevard Interchange Improvements
15. I-285 Westside Railroad Crossings
16. I-285 Westside Bridge Replacements
17. I-285 Eastside Bridge Replacements
18. I-285 Westbound Auxiliary Lane Extension

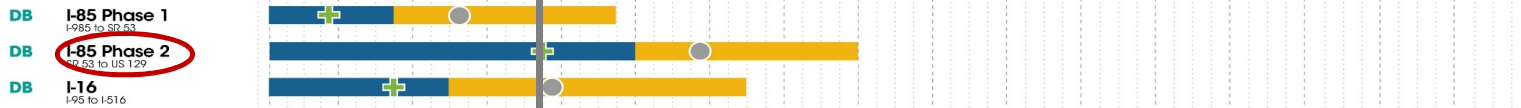


# MMIP Schedule

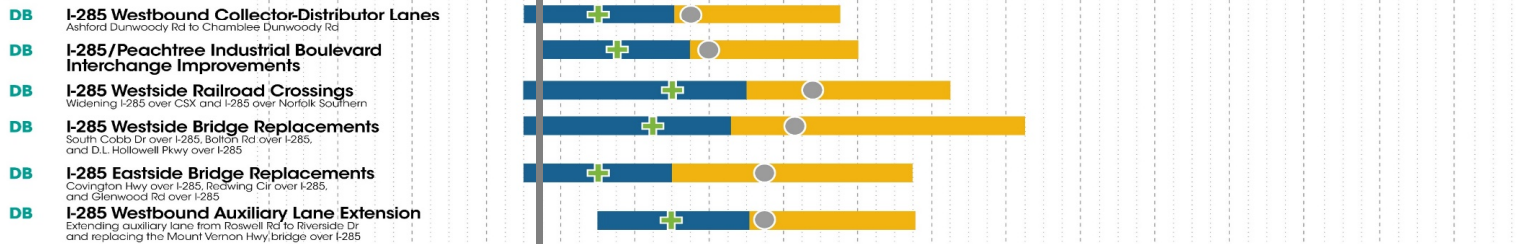
## Interchange Reconstruction:



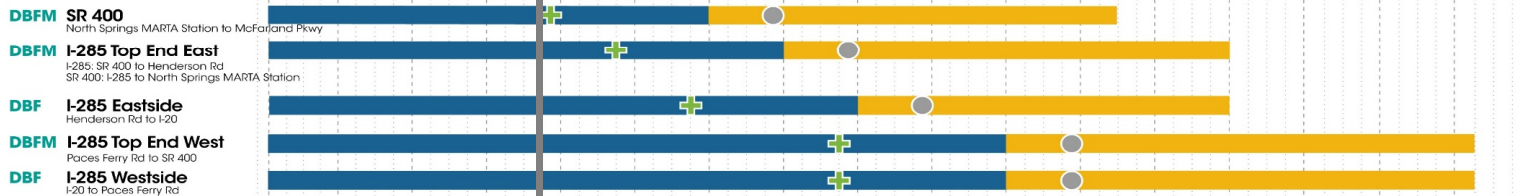
## Interstate Widening:



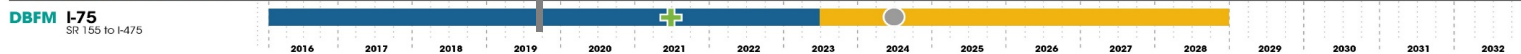
## I-285 Advanced Improvement Projects:



## Express Lanes:



## Commercial Vehicle Lanes:



10-15-2019 | Dates represented are calendar years | Schedules are subject to change or refinements



The Design-Build process compresses project schedules by overlapping activities in the design and construction phases.

# Design-Build Overview

## **Design-Build**

- Combines preconstruction related services with construction services into one contract.
- Allows the contractor to participate in the project's design in an effort to improve communications, expedite project delivery, and reduce costs.

## **Governed by:**

- 23 Code of Federal Regulations (CFR) Part 636
- Georgia Code Section 32-2-81 (Enacted 2004)
- Board Rules, Chapter 672-18 (Adopted 2006 & 2013)

# I-85 Widening From North of SR 53 to North of SR 11/US 129

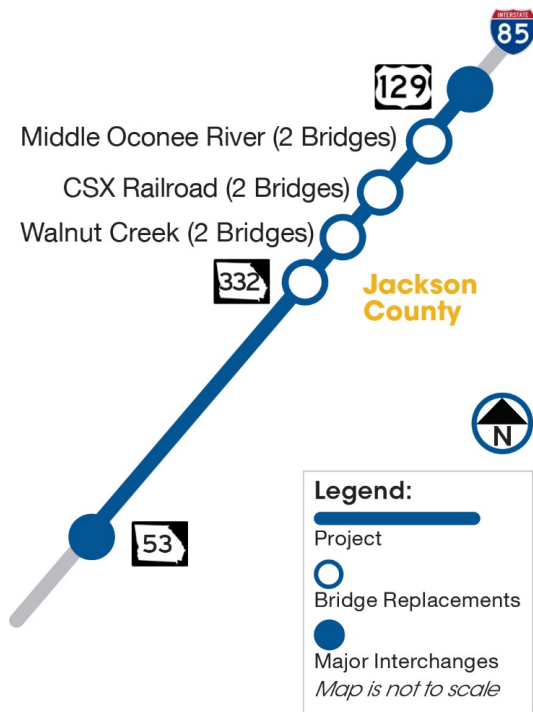
## Project Specifics

**Andrew Hoenig, P.E., DBIA**  
DB Program Manager





# Project Location



## Project Overview

- Developer/DB Team will be responsible for:
  - Widening I-85 from just North of SR 53 to just North of SR 11 / US 129:
    - From two (2) GP lanes to three (3) for 6.7 miles in each direction.
    - Widen to the median. No ROW acquisition is anticipated.
  - Replace one (1) overpass bridge and six (6) mainline bridges along the Project corridor
  - Replacement of guardrail along Project corridor
- DBE Goal will be included in RFP



## Bridge Replacement List

ID Number	Roadway Name	Feature Crossed	Disposition
157-0027-0	SR 332	Over I-85 NB & SB	Replace
157-0039-0	I-85 NB	WALNUT CREEK	Replace
157-0040-0	I-85 SB	WALNUT CREEK	Replace
157-0041-0	I-85 NB	CSX RAILROAD	Replace
157-0042-0	I-85 SB	CSX RAILROAD	Replace
157-0043-0	I-85 NB	MIDDLE OCONEE RIVER	Replace
157-0044-0	I-85 SB	MIDDLE OCONEE RIVER	Replace

## Risks and Mitigation Strategies (1/2)

Risk	Mitigations for RFP
Geotechnical	<ul style="list-style-type: none"> <li>• Provide existing BFIs and Soil Survey</li> </ul>
Environmental	<ul style="list-style-type: none"> <li>• Environmental-related scope items and anticipated review/approval durations</li> <li>• Coordination with the USACE</li> </ul>
Design Exception/ Design Variance	<ul style="list-style-type: none"> <li>• None anticipated</li> </ul>
Right-of-Way	<ul style="list-style-type: none"> <li>• No acquisition anticipated</li> </ul>



## Risks and Mitigation Strategies (2/2)

Risk	Mitigations for RFP
Local Outreach	<ul style="list-style-type: none"> <li>• Early and ongoing coordination with stakeholders</li> </ul>
Cost Estimate	<ul style="list-style-type: none"> <li>• Continue to monitor industry trends</li> </ul>
Overall Contract Duration	<ul style="list-style-type: none"> <li>• Established in RFP</li> <li>• CPM Schedule required</li> </ul>
Utilities	<ul style="list-style-type: none"> <li>• SUE QL-D</li> <li>• Early coordination with utility owners ongoing: Adelphia Communications (CATV), Alltel Communications (Telephone), Southern Company Gas - AGL (Gas), Atmos Energy (Gas), Jackson County Water &amp; Sewer (Water), Jackson EMC (Electric), City of Jefferson (Sewer)</li> <li>• Executed MOUs will be included with RFP</li> </ul>

## Design-Build Team Roles and Responsibilities

- Bridge and Roadway design
- Schedule development/management
- Geotechnical reports
- Permit and mitigation costs
- Maintain traffic, traffic control, and construction signage
- Utility coordination and relocation (if needed)
- CSX Railroad coordination
- Complete project within a defined timeline

## GDOT Roles and Responsibilities

- Submittal review by GDOT/Arcadis
- Environmental Special Studies and NEPA reevaluation and approval by GDOT/Arcadis
- Media relations by GDOT/HNTB
- Construction Oversight/CEI
  - Material Testing will be provided by OMAT
  - CEI performed by GDOT OID/Atkins

# Procurement



## Anticipated Area Classes for Lead Design Consultant

3.04	Multi-lane Rural Interstate Limited Access Design
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# Anticipated Area Classes for DB Team Members

Number	Area Class
1.06(a)	NEPA
1.06(b)	History
1.06(c)	Air
1.06(d)	Noise
1.06(e)	Ecology
1.06(f)	Archaeology
1.06(g)	Freshwater Aquatic Survey
3.04	Multi-lane Rural Interstate Limited Access Design
3.06	Traffic Operations Studies
3.07	Traffic Operations Design
3.09	Traffic Control Systems Analysis, Design & Implementation

Number	Area Class
3.10	Utility Coordination
3.12	Hydraulic and Hydrological Studies (Roadway)
4.01(a) or 4.01(b)	Minor Bridge Design, or Minor Bridge Design - CONDITIONAL
5.01	Land Surveying
5.02	Engineering Surveying
5.08	Subsurface Utility Engineering
6.01(a)	Soil Survey Studies
6.02	Bridge Foundation Studies
6.03	Hydraulic and Hydrologic Studies (Soils & Foundation)
9.01	Erosion, Sedimentation, and Pollution Control Plan
9.02	Rainfall and Runoff Reporting

## Tentative Schedule

a. GDOT issues Public Notice Advertisement (PNA)	10/4/2019	-----
<b>b. Industry Forum – GDOT 4<sup>th</sup> floor conference room</b>	<b>10/23/2019</b>	<b>2 p.m.</b>
c. Industry one-on-one meetings	<b>10/24/2019</b>	9 a.m. – 4 p.m.
d. GDOT issues Request for Qualifications (RFQ)	11/1/2019	-----
e. Deadline for Statement of Qualifications (SOQ)	12/12/2019	11 a.m.
f. GDOT issues the Notice to Finalists	1/10/2020	-----
g. GDOT issues Request for Proposals (RFP) to the Finalists	1/17/2020	-----
h. Receipt of Technical Proposals and Price Proposals from Finalists	4/16/2020	11 a.m.
i. GDOT letting	5/8/2020	11 a.m.

# Anticipated Procurement Process

- **Two Phase Best Value**
- **Phase I - Request for Qualifications (RFQ)**
  - Georgia Procurement Registry (GPR)
  - Restriction on communications
  - Shortlisted Proposers will advance to Phase II
- **Phase II - Request for Proposals (RFP)**
  - GDOT DB secure SharePoint Site
  - Administrative, Technical, and Price Proposals
  - GDOT awards to the highest combined score of the Technical and Price Proposals

## Required Information – RFQ Phase (1/3)

- Organization chart
- Lead Contractor/Lead Design Consultant basic company information
- Lead Contractor Certificate of Qualifications
- Matrix listing GDOT Prequalified Area Classes
  - Include prequalification Notice of Professional Consultant Qualifications

## Required Information – RFQ Phase (2/3)

- **Exhibit I**
  - Certification Form for Lead Design Consultant
- **Exhibit II**
  - GA Security and Immigration Compliance Act Affidavit for Lead Contractor
- **Exhibit II**
  - GA Security and Immigration Compliance Act Affidavit for Lead Design Consultant
- **Statement(s) regarding removal/failure to complete an assigned contract**
- **Statements of Disclosure (Conflict of Interest)**
- **Signed Amendment(s) acknowledgment**



## Required Information – RFQ Phase (3/3)

- **Key Personnel experience and qualifications (resume)**
  - Ten (10) years Industry experience for each Key Personnel position and should include at least three (3) years of experience in the same or similar role for projects of similar size and complexity
  - Relevant experience in the applicable proposed role for projects of similar complexity, size, scope, delivery method, and function
- **Lead Contractor experience and qualifications**
  - At least three (3) construction projects delivered using Design-Build and/or conventional Design-Bid-Build contracting which demonstrate the Lead Contractor's qualifications
- **Lead Design Consultant experience and qualifications**
  - At least three (3) design projects delivered using Design-Build and/or conventional Design-Bid-Build contracting that demonstrate the Lead Design Consultant's qualifications

## Anticipated SOQ Evaluation Criteria

- Relevant project experience, qualifications, and availability of the:
  - Lead Design Consultant Firm
  - Lead Design Consultant Project Manager
  - Lead Contracting Firm
  - Lead Contractor Project Manager
  - Select Key Personnel
- Suitability to provide services for project
- Past performance
- Shortlist 3-5 highest qualified teams

# Anticipated Procurement Process

## **Phase II - Request for Proposals (RFP)**

- January 17, 2020 – Issue RFP
  - Posted on GDOT DB secure SharePoint site
  - Includes Reference Information Documents (RIDs)
  - Submit questions to OID Contracting Officer
  
- Administrative, Technical, and Price Proposals
  - Due to GDOT by April 16, 2020
  - Price Proposal in separate package
  - GDOT evaluates Administrative and Technical Proposals
  - Price Proposals to be opened on May 8, 2020

## RFP Process

- Multiple volumes
  - Instructions To Proposers
  - Form of contract with technical requirements
- Proposer feedback
  - During Phase II
  - Question and Response
- Proposals to include firm fixed pricing secured by proposal bond
- Georgia DOT plans to provide a Stipulated Fee to responsive proposers not selected for award

## Anticipated RFP Best Value Selection Criteria (1/2)

### Technical Proposal - [25 %]

- Technical Score is based on **250** maximum total points.

### Price Proposal - [75 %]

- The Price Proposal Score is based on **750** maximum total points.



## Anticipated RFP Best Value Selection Criteria (2/2)

### Technical Proposal – **250** points

- Evaluation Criteria will include:
  - Detailed Project Schedule / Milestone Deadlines – **100** points
    - Substantial Completion
    - Early openings
  - Project Approach to Safety – **50** points
  - Construction Management Narrative – **80** points
    - Approach to managing traffic control
    - Minimize impacts to traveling public / local stakeholders
  - DBE Utilization – **20** points

## Alternative Technical Concepts (ATCs)

- Proposers may submit ATCs
- Confidentiality will be maintained throughout RFP process
- One-on-one meetings will be held
- Accepted ATCs will be approved on a proposer-specific basis

# Anticipated Stipulated Fee

- \$200,000 approved stipulated fee
- Table 1.2 of the Design-Build Manual:

Design-Build Estimated Contract Value	Best Value	Two Phase Low Bid (Shortlist)	Two Phase Low Bid (all qualified)	One Phase Low Bid
<b>≥\$50M</b> (Greater than or equal to \$50M)	<b>0.2 % Minimum</b> 0.2 % Recommended	0.1 % Minimum 0.2 % Recommended	0.0 % Minimum 0.1 % Recommended	No Stipulated Fee
<b>&lt;\$50M</b> (Less than \$50M)	0.2 % Minimum 0.4 % Recommended	0.1 % Minimum 0.2 % Recommended	0.0 % Minimum 0.1 % Recommended	No Stipulated Fee

# Stipulated Fee Requirements

In exchange for a Stipulated Fee, Proposers must turn over to GDOT all project related information collected and prepared during the preparation of the price and technical proposal.

This may include, but is not limited to:

- Approved Alternative Technical Concepts (ATCs)
- Revised plan layouts
- Geotechnical data
- CAD files
- Detailed project schedule
- Record of correspondence with agencies

This information will be provided to the awarded Design-Build Team.

GDOT will also have the ability to negotiate approved ATCs from unsuccessful Proposers into the awarded Design-Build Team's contract to obtain additional value or cost savings for GDOT.

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## Questions?

During project procurement, all proposer questions shall be submitted to the Department via email:

[DB-I85Widening@dot.ga.gov](mailto:DB-I85Widening@dot.ga.gov)

### References:

GDOT Design-Build Web Page

<http://www.dot.ga.gov/PS/Innovative/DesignBuild>

GDOT Design-Build SharePoint Site

<http://mydocs.dot.ga.gov/info/designbuild/default.aspx>

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